

CLAIMS:

1. A data carrier with at least one data recording area (2, 6) in which data recording areas (2, 6) data are stored in accordance with a predefined data recording standard, and at least one defective area (3, 7) is embedded, which defective area (3, 7) is designed in such a way that it comes into conflict with at least one parameter of the predefined data recording standard, as well as with at least one defect localization area (4, 8) containing position information about the position of the at least one defective area (3, 7) on the data carrier (1, 5).

5 2. A data carrier as claimed in claim 1, characterized in that the parameter of the data recording standard with which parameter the defective area (3, 7) comes into conflict defines a physical parameter of the data carrier.

10 3. A data carrier as claimed in claim 1, characterized in that the parameter of the data recording standard with which parameter the defective area (3, 7) comes into conflict is 15 a logical parameter of the data recording standard.

4. A data carrier as claimed in claim 1, characterized in that the defective area (3, 7) is in conflict with the at least one parameter of the predefined data recording standard in such a way that the conflict cannot be rectified by standard-compliant error-correction 20 measures in accordance with the data recording standard.

25 5. A data carrier as claimed in claim 1, characterized in that, in relation to data scanning means (10), the defect localization area (4) is located before the data recording area (2).

6. A data carrier as claimed in claim 1, characterized in that, in relation to data scanning means (10), there is a defect localization area (4, 8) located before each defective area (3, 7).

7. A data carrier as claimed in claim 1, characterized in that at least one defective area (3, 7) contains identification information.

8. A data carrier as claimed in claim 7, characterized in that the identification information comprises one or more of the following items, namely a serial number, a personal identification number, a finger print and a digital file, such as an image file.

9. A data carrier as claimed in claim 1, characterized in that the position information about the position of the at least one defective area (7) on the data carrier comprises a start position information and an end position information of each of the defective areas along a data track (6a) in the data recording area (6).

10. A data carrier as claimed in claim 1, which is an optical data carrier, such as a CD, a CD-ROM or a DVD.

15 11. A data playback method of reading data from a data carrier (1, 5) by scanning the data carrier with scanning means (10), wherein the data are stored in a data recording area (2, 6) of the data carrier in accordance with a predefined data recording standard, wherein at least one defective area (3, 7) is embedded in the data recording area, which defective area (3, 7) is designed in such a way that it comes into conflict with at least one parameter of the predefined data recording standard, wherein the conflict can preferably not be rectified by standard-compliant error-correction measures in accordance with the data recording standard, and wherein the data carrier has at least one defect localization area (4, 8) containing position information about the position of the at least one defective area (3, 7) on the data carrier,

20 comprising:

- the localization of at least one defective area (3, 7) on the data carrier by reading the position information from the defect localization area (4, 8),
- reading the data from the data recording area (2, 6) when the scanning means (10) scan the data recording area conforming to the standard,
- moving the scanning means (10) to a data reading position adjacent to a defective area (3, 7) in the data recording area (2, 6) if the scanning means are in a defective area.

12. A data playback method as claimed in claim 11, characterized in that moving the scanning means via a defective area comprises switching the scanning means to a non-standard scanning mode in which the scanning means receive signals from the defective area which do not conform to the data recording standard.

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13. A data playback method as claimed in claim 11, characterized in that, in relation to the scanning means, the defect localization area (4, 8) is located before the data recording area (2, 6).

10 14. A data playback method as claimed in claim 11, characterized in that, in relation to the scanning means, there is a defect localization area (4, 8) located before each defective area (3, 7).

15 15. A data playback method as claimed in claim 12, characterized in that the signals received by the scanning means (10) from the defective area (3, 7) contain identification information.

20 16. A data playback method as claimed in claim 15, characterized in that the identification information comprises one or more of the following items, namely a serial number, a personal identification number, a finger print and a digital file, such as an image file.

25 17. A data playback method as claimed in claim 11, characterized in that the position information about the position of the at least one defective area (7) on the data carrier comprises a start position information and an end position information of each of the defective areas along a data track (6a) in the data recording area (6), and moving of the scanning means (10) is controlled on the basis of this position information.

30 18. A data playback device for reading data from a data carrier (1, 5), wherein the data are stored in a data recording area (2, 6) of the data carrier in accordance with a predefined data recording standard, wherein at least one defective area (3, 7) is embedded in the data recording area (2, 6), which defective area is designed in such a way that it comes into conflict with at least one parameter of the predefined data recording standard, wherein the conflict can preferably not be rectified by standard-compliant error-correction measures

in accordance with the data recording standard, and wherein the data carrier has at least one defect localization area (4, 8) containing position information about the position of the at least one defective area (3, 7) on the data carrier comprising:

- scanning means (10) for scanning the data carrier for the purpose of reading
- 5 the data from the data recording area (2, 6) and of reading the position information about the position of the defective area (3, 7) from the defect localization area (4, 8),
- scanning control means (25) for controlling the scanning means (10),
- switching means (29) for switching the scanning means (10) and/or the scanning control means (25) between a standard data playback mode and a defective area
- 10 control mode, depending on the position information about the position of the defective area.

19. A data playback device as claimed in claim 18, characterized in that the scanning means (10) are designed to enable reading of identification information from the defective area (3, 7) in the defective area control mode.

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- 20. A data playback device as claimed in claim 19, characterized in that comparing means (31) for comparing the identification information with default values are provided.
- 20 21. A data playback device as claimed in claim 20, characterized in that the comparing means (31) are designed to prevent reading of the data from the data carrier if the identification information does not match the default values.